

What is claimed is:

1. A display device comprising:

a face substrate which has an anode and a fluorescent material on an inner surface thereof;

a plurality of cathode lines which extend in one direction, are juxtaposed in another direction which crosses one direction, and has electron emitting sources;

control electrodes which are constituted by arranging a plurality of strip-like electrode elements which cross the cathode lines in a non-contact state within a display region, extend in the above-mentioned another direction and are juxtaposed in one direction, and have electron passing apertures for allowing electrons from the electron emitting sources to pass therethrough toward the face substrate;

a back substrate which has the control electrodes and the cathode lines on an inner surface thereof and faces the face substrate with a given distance therebetween; and

a frame body which is inserted between the face substrate and the back substrate and is arranged around the display region to hold the given distance, wherein

the cathode lines have extending one end sides thereof terminated outside the display region and inside the frame body, and a shield member is inserted between the terminals and the anode so as to ensure shielding between the terminals and the anode.

2. A display device according to claim 1, wherein the shield member is a member having the same shape as a strip-like electrode element which does not have the electron passing apertures.

3. A display device according to claim 1, wherein the shield member is a member having the same shape as a strip-like electrode element which has the electron passing apertures.

4. A display device according to claim 1, wherein the shield member is constituted of an insulation layer which covers the terminals.

5. A display device according to claim 1, wherein the shield member is constituted of a separate frame body which has a substantially same height as the frame body.

6. A display device comprising:

a face substrate which has an anode and a fluorescent material on an inner surface thereof;

a plurality of cathode lines which extend in one direction, are juxtaposed in another direction which crosses one direction, and has electron emitting sources;

control electrodes which are constituted by arranging a plurality of strip-like electrode elements which cross the cathode lines in a non-contact state within a display region, extend in the above-mentioned another direction and are juxtaposed in one direction, and have electron passing

apertures for allowing electrons from the electron emitting sources to pass therethrough toward the face substrate;

a back substrate which has the control electrodes and the cathode lines on an inner surface thereof and faces the face substrate with a given distance therebetween; and

a frame body which is inserted between the face substrate and the back substrate and is arranged around the display region to hold the given distance, wherein

the cathode lines have extending one end sides thereof terminated at positions outside the display region and where the cathode lines are superposed on the frame body and the terminals and the anode are shielded from each other by the frame body.